

Appendix A



## Consensus #1

BB1193DIVSeqIdNo10  
GI 4325324  
GenBank X94451

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## Appendix A

## **motif 1**

# Appendix A

## motif 2

Consensus #1	N . L . . . L . . . R . . P E L Y L K . L . V G G	R V Y E . G K . F R N E G . D L T H . P E F T . C E . Y M A . A D Y	*	*	*	*	*
	370	380	390	400	410	420	
BB1193DIVSeqIdNo10	N E L N M R L F W R I A P H E L Y L K E L V V G G C	D R V Y E L I G K Q Q F R N E G C I D . T H I N K P	F T T C E F Y M A Y A D Y	406			
GI 4325324	N D L D M R R Y M R I A P H E L Y L K Q L I V C C G	F R V Y E L I G K Q Q F R N E G C I D . T H I N K P	F T T C E F Y M A F A D Y	383			
GenBank X944451	N E L D T E L I R V S P E L Y L K K L V V G G F	D R V Y E L I G K H F R N E G C M D . T H I N K P	F T T C E F Y M A Y A D Y	361			
Consensus #1	N D L M . . T E . L S G M V K . L T G . Y K I . Y . A N G . . .	P I E I D F T P P F R . I . M . . . L E . . A . . .					
	430	440	450	460	470	480	
BB1193DIVSeqIdNo10	N D L M B L E T V M I . S C M V K D L T G C Y K I K Y M A N G V T N P P I E I D F T P P F R . I . M . . . L E . . A . . .	D M K D P I E I D F T P P F R . I . E M T G E L E K V A K I N	K D L E B A M A N I S	466			
GI 4325324	N D L M M P E V M I . S C M V K E L T G C Y K I K Y M A N G Y D K D P I E I D F T P P F R . I . E M T G E L E K V A K I N	D N E P I E I D F T P P F R . I . E M T G E L E K V A K I N	443				
GenBank X944451	N D L M D L T E Q M I Q L . S C M V K D L T G C Y K I K Y M A N G C L D N E P I E I D F T P P F R . I . E M T G E L E K V A N I S	K A D M L S E L E K V A N I S	421				
Consensus #1	I P . D L . S . . A N . . . L . . . C . . .	D V K C P P P . T T . R L L D K L V G . F . E . . C . N P T F I I N . P E I M					
	490	500	510	520	530	540	
BB1193DIVSeqIdNo10	I P K D L S S D E A N R Y L I E A C V K Y D V K C P P P O T T S R L L D K L V G C H P L E E T C W N P T F I I N K P F I M	E T C W N P T F I I N K P F I M	526				
GI 4325324	I P K D L A S E F A N K Y L I D A G A R F D V K C P P P O T T A R L L D K L V G C E F L S P F C W N P T F I I N Q P A I M	503					
GenBank X944451	I P R D S S E S A N K H L V D V C E K F D V K C P P P H T T R L L D K L V G C E F L S P F C W N C I E V N C I N P T F I I N K P F I M	481					

## Appendix A

Consensus #1	...	BB1193DIVSeqIDNo10	634
		GI 4325324	626
		GenBank X94451	588
	motif 3		

Consensus #1: When all match the residue on the Consensus show the residue of the Consensus, otherwise show ‘ ’.

Shade (with black at 40% fill) residues that match the Consensus named “Consensus #1” exactly.